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MAY 2 1985

NM OIL CORRS. COMMISSION

SUBMIT IN

PLICATE

Form approved.
Budget Bureau

42-R1425

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WELL
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER Amended SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
CASA PETROLEUM, INC. (Patch Karr)
(505-746-2415)

3. ADDRESS OF OPERATOR
105 North 6th, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
330' FNL & 2310' FEL of Section 13
At proposed prod. zone
Same Unit B (NW/4 NE/4)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
11 air miles southeast of Artesia, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 330'
(330')

16. NO. OF ACRES IN LEASE
120

17. NO. OF ACRES ASSIGNED
TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1320'

19. PROPOSED DEPTH
2100' San Andres

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3568' G.L.

22. APPROX. DATE WORK WILL START*
June 1, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	350'	Sufficient to circulate
7 7/8"	5 1/2"	14.0#	2100'	200 sacks

Pay zone will be selectively perforated and stimulated as needed
for optimum production.

Attached are: 1. Well Location and Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Agent DATE May 10, 1985
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE Acting
CONDITIONS OF APPROVAL, IF ANY: DATE 5-20-85

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIMULATIONS
APPROVED

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

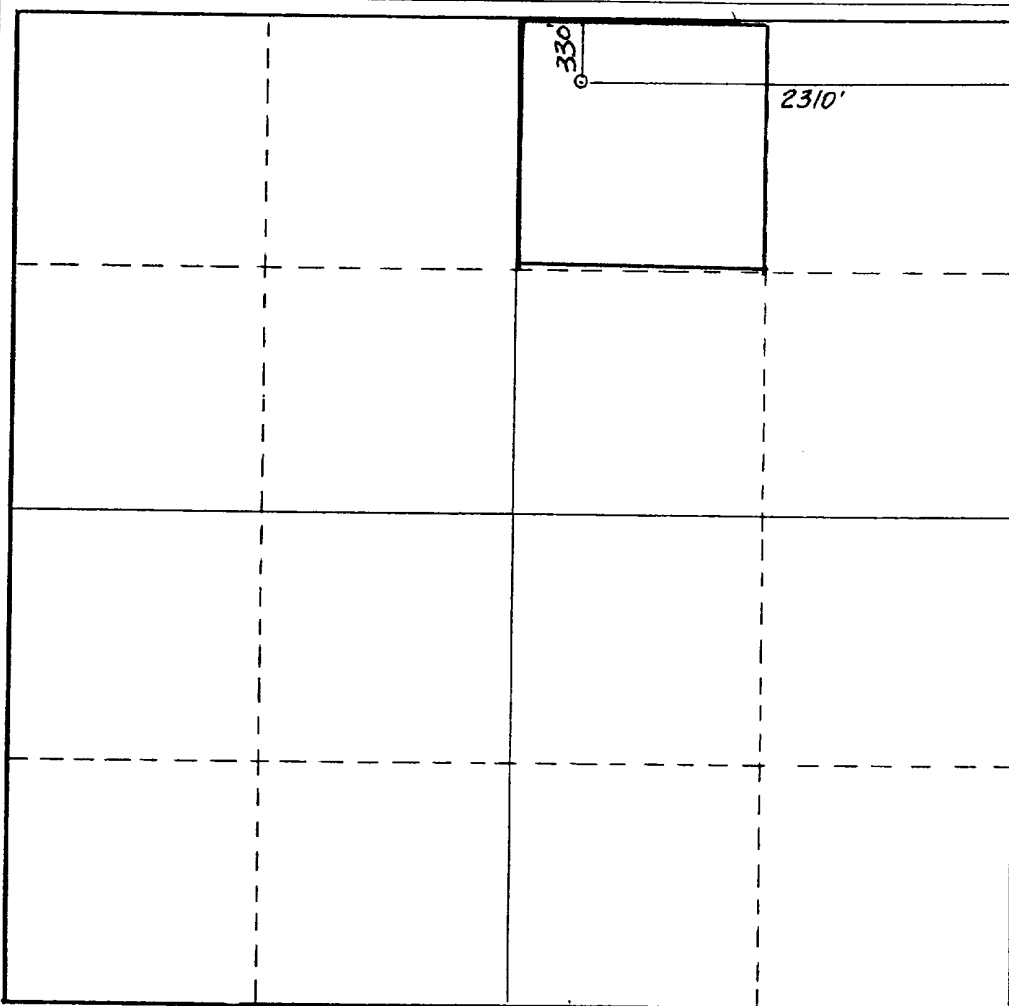
Operator CASA PETROLEUM			Lease ANADARKO FEDERAL 13		Well No. 2
Unit Letter B	Section 13	Township 18 South	Range 27 East	County Eddy	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 330 feet from the North line and 2310 feet from the East line </div>					
Ground Level Elev. 3568	Producing Formation Queen-Grayburg-San Andres		Pool Artesia Oil Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[Signature]
Name

Donald G. Becker, Jr.

Position

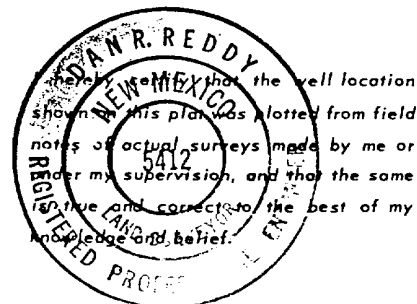
Agent

Company

CASA PETROLEUM, INC.

Date

May 10, 1985



Date Surveyed

4/29/85

Registered Professional Engineer
and/or Land Surveyor

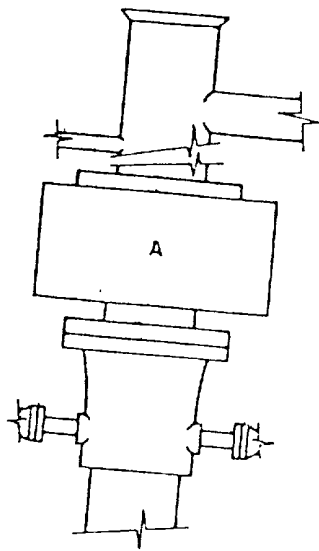
[Signature]
Certificate No.

PE&LS # 5412



BLOWOUT PREVENTER ARRANGEMENT

Casa Petroleum, Inc.
Well #2 Anadarko 13 Federal
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-18S-27E



ARRANGEMENT A

SUPPLEMENTAL DRILLING DATA

CASA PETROLEUM, INC.
WELL #2 ANADARKO 13 FEDERAL
NW/4 NE/4 SECTION 13-18S-27E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3568').
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

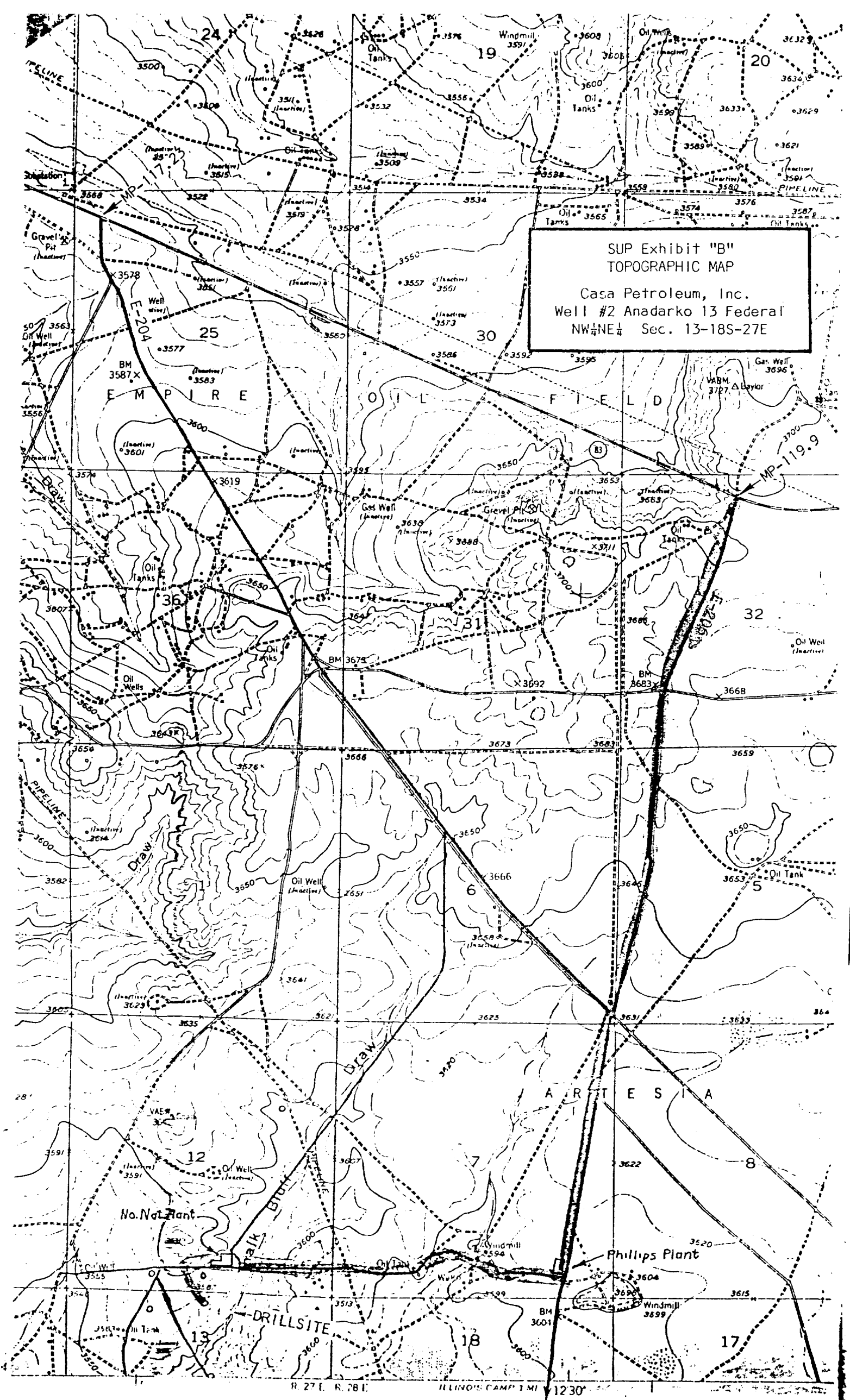
Yates	280'	Grayburg	1665'
Seven Rivers	500'	San Adnres	2050'
Queen	1250'	Lovington Sand	2200'
3. ANTICIPATED POROSITY ZONES:

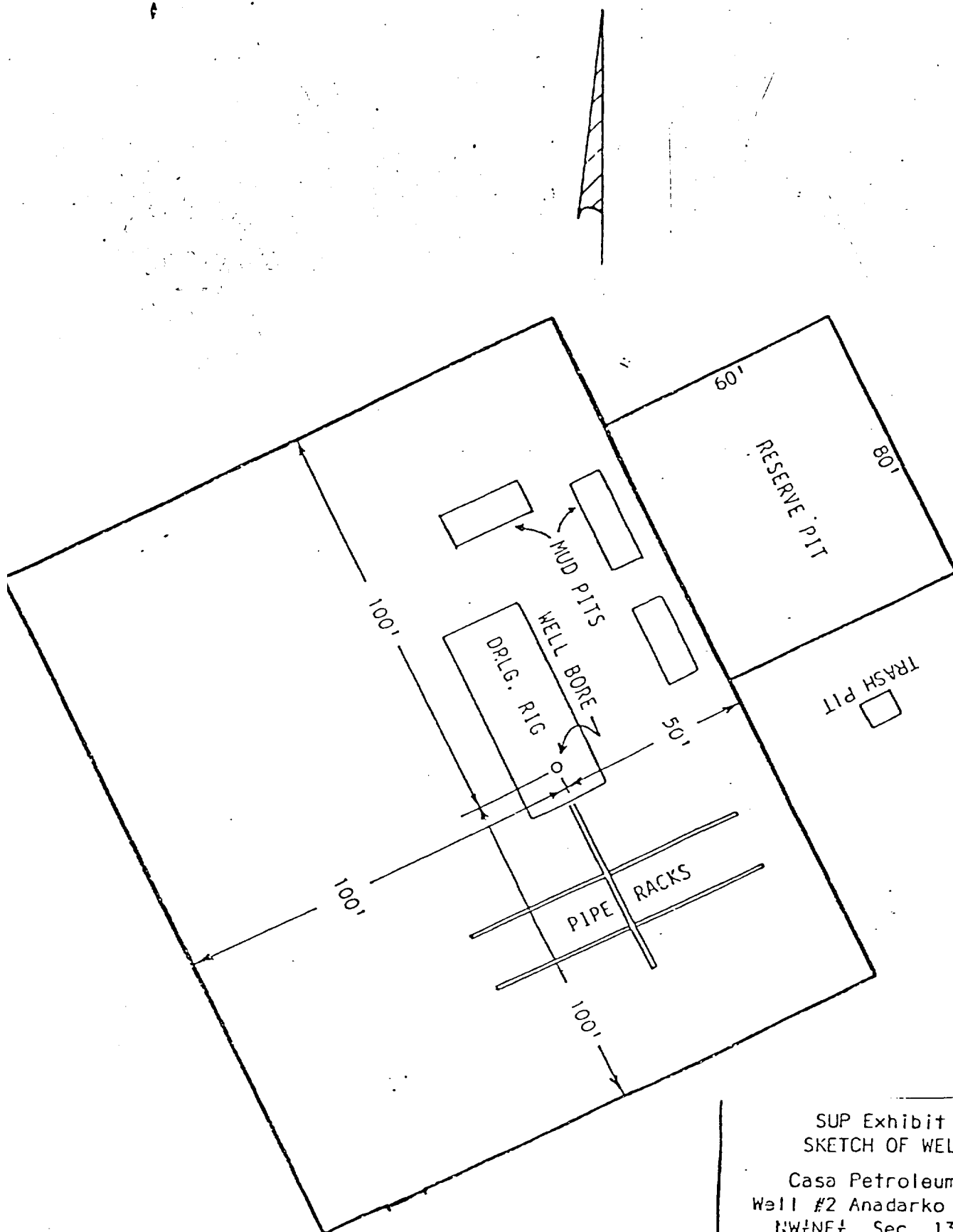
Water:	Above 250'
Oil:	1500' - 2100'
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 350'	24.0#	K-55	STC
5 1/2"	0 - 2100'	14.0#	K-55	STC
5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used.
6. CIRCULATING MEDIUM: Fresh water mud conditioned as necessary for control of viscosity and water loss.
7. AUXILIARY EQUIPMENT: None considered necessary on this shallow development well.
8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about June 1, 1985. Duration of drilling, completion and testing operations should be 1 to 5 weeks.

SUP Exhibit "B"
TOPOGRAPHIC MAP

Casa Petroleum, Inc.
Well #2 Anadarko 13 Federal
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-18S-27E





SUP Exhibit "D"
SKETCH OF WELL PAD

Casa Petroleum, Inc.
Well #2 Anadarko 13 Federal
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-18S-27E

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED BY
NOV 29 1984

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

CASA PETROLEUM, INC. ✓

(Patch Karr)

(505-746-2415)

3. ADDRESS OF OPERATOR

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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

330' FNL & 1980' FEL of Section

At proposed prod. zone

same

(Unit B)

(NW 1/4 NE 1/4)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

11 air miles southeast of Artesia, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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1320'

19. PROPOSED DEPTH

2100' San Andres

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3558' G.L.

22. APPROX. DATE WORK WILL START*

December 10, 1984

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4" or 14" DP	8 5/8"	24.0#	350'	Sufficient to circulate
7 7/8"	5 1/2"	14.0#	2100'	200 sacks

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Well Location & Acreage Dedication Plat
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24.

SIGNED

James A. Knauf

TITLE

Agent

DATE

October 20, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

11-28-84

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

ATTACHED

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
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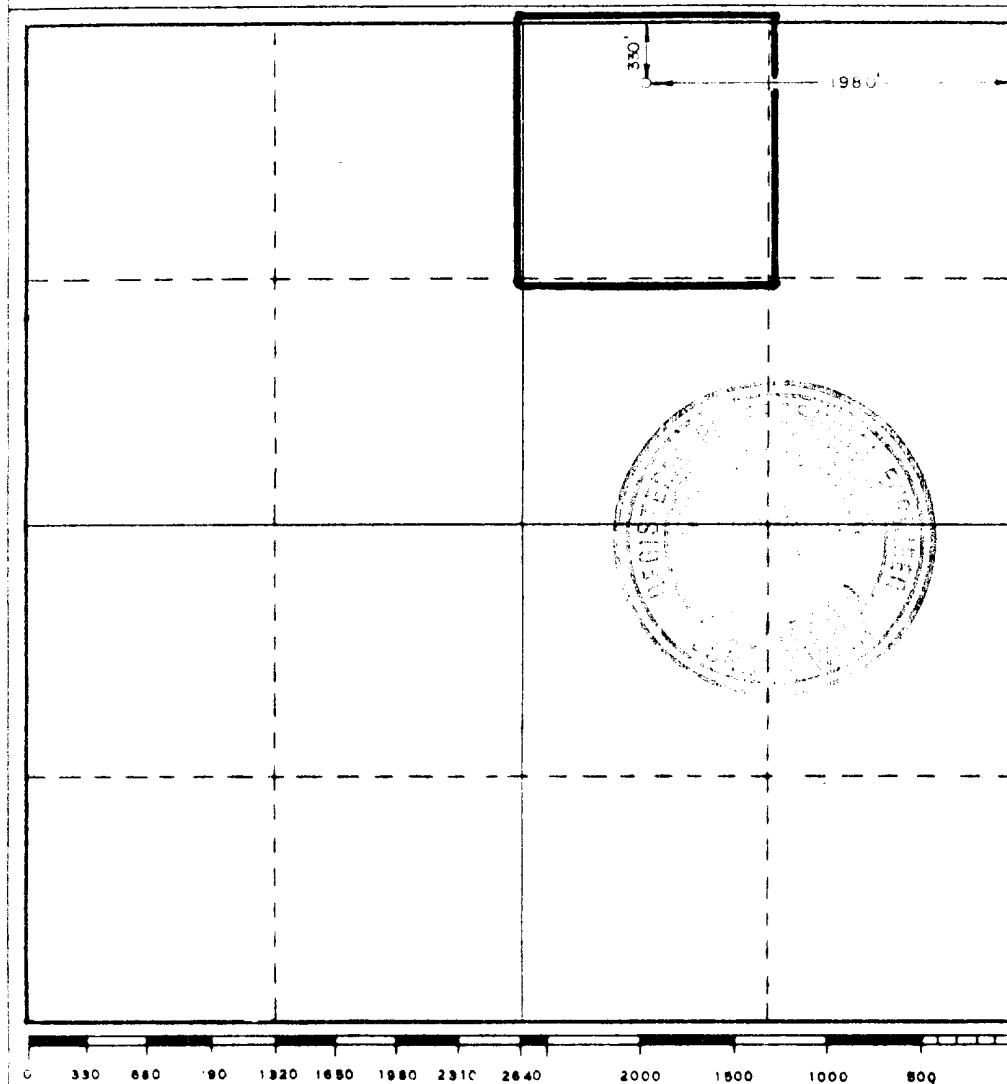
Operator CASA PETROLEUM, INC.			Lease ANADARKO 13 FEDERAL			Well No. 2		
Grid Letter B	Section 13	Township 18S	Range 27E	County EDDY				
Actual Footage Location of Well: 1980 feet from the EAST line and 330 feet from the NORTH line								
Ground Level Elev. 3557.5	Producing Formation Q-Gb-SA		Pool Artesia Oil Pool			Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

James A. Knauf
Name
James A. Knauf

Position
Agent

Company
CASA PETROLEUM, INC.

Date
October 20, 1984

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
10/2/84

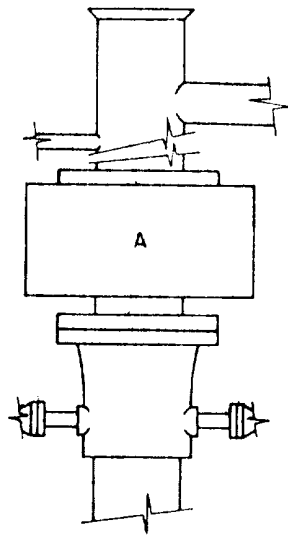
Registered Professional Engineer
and/or Land Surveyor

Ronald J. Eidson

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

BLOWOUT PREVENTER ARRANGEMENT

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Well #2 Anadarko 13 Federal
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-18S-27E



ARRANGEMENT A

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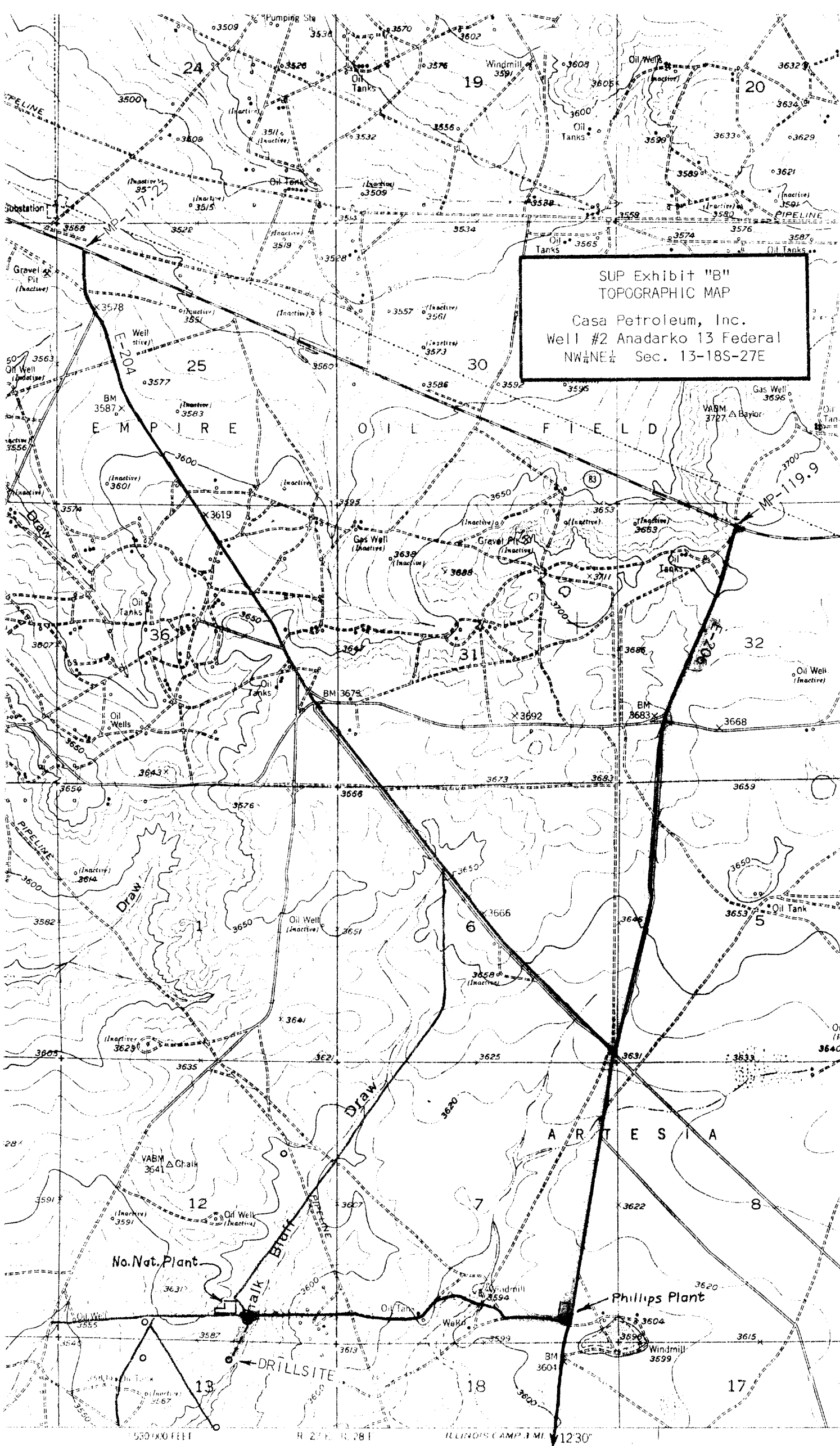
CASA PETROLEUM, INC.
WELL #2 ANADARKO 13 FEDERAL
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 13-18S-27E
EDDY COUNTY, NEW MEXICO

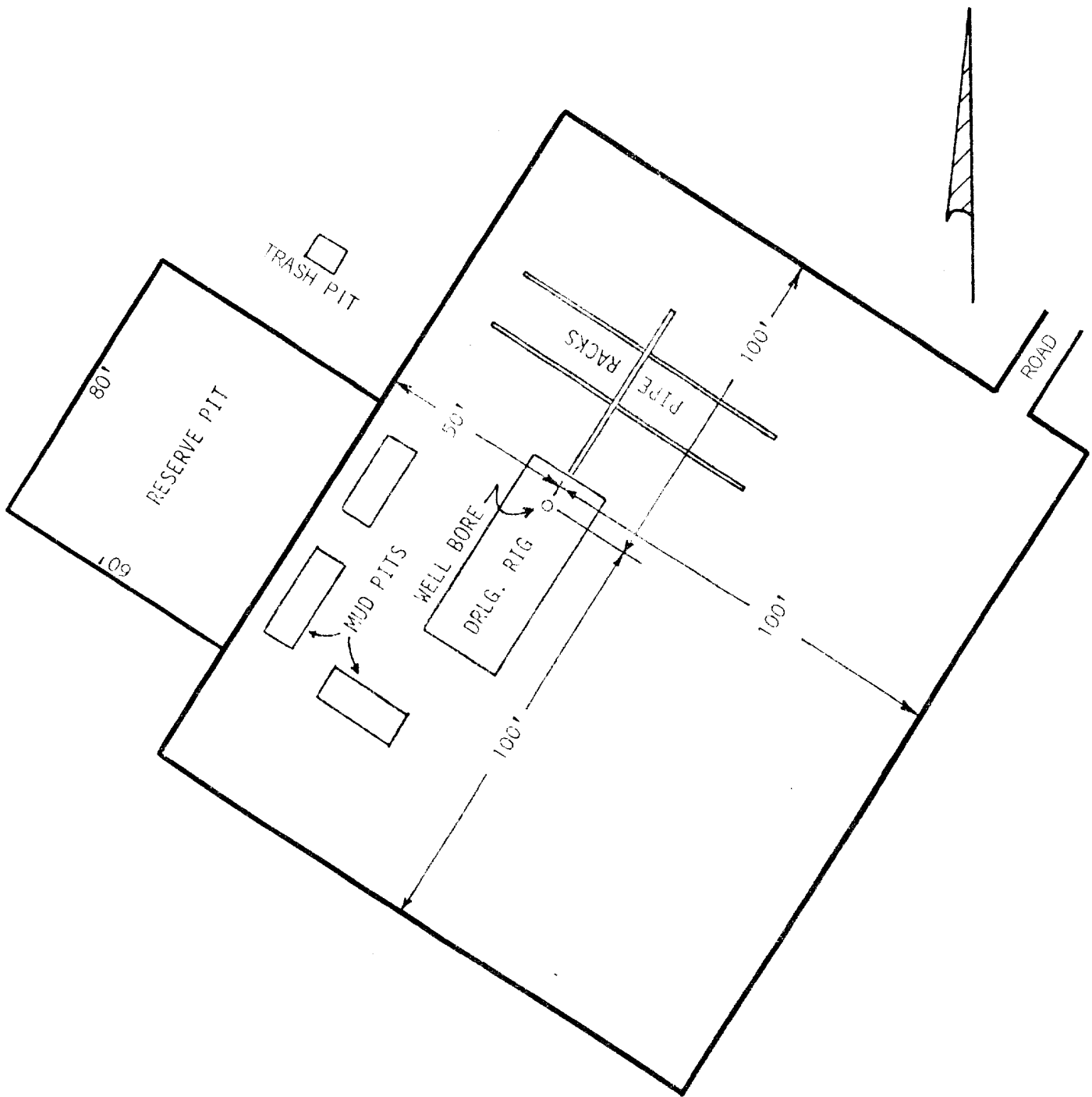
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 Casa Petroleum, Inc.
 Well #2 Anadarko 13 Federal
 NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-18S-27E